

	Title	Current OR
1	Crimping apparatus and wire harness manufacturing method	29/861
2	Apparatus and method for wire harness assembly	140/92.1
3	Manufacturing apparatus of wire harness	29/742
4	Rotary wire feed drum for use in wire harness assembly	29/863
5	Wire harness handling and storage system	414/331.08
6	Apparatus for making electrical harness	29/33M
7	Apparatus for producing wire harnesses	29/564.4
8	Wire harness termination apparatus for programmable connectors	29/564.6
9	Electrical wire harness binding apparatus	29/564.7
10	Feed assembly for connector termination apparatus	83/147

	Title	Current OR
11	Wire position shifting mechanism and method of assembling wire harnesses	29/861
12	Apparatus and method for making electric wire for harness	700/117
13	Method and apparatus for assembling wire harness	29/861
14	Automatic wire press-connecting and laying out apparatus for wire harness	140/93R
15	Method of forming filament harness	29/863
16	Pitch transition wire guide apparatus	29/749
17	Method for installing a wire harness	29/854
18	Wire harness fabrication apparatus	29/564.4
19	Contact insertion and wire lay robotic end effector apparatus	29/749
20	Apparatus for fabrication of a crossover wire harness	29/861
21	ASSEMBLY METHOD AND ASSEMBLY APPARATUS OF WIRE HARNESS	
22	Automatic wire press-connecting and laying out apparatus for wire harness.	

	Current XRef
1	29/753; 29/853
2	29/755
3	29/33M; 29/593; 29/622; 29/748; 29/753; 29/850; 29/861; 29/866; 29/868; 73/862.01; 73/865.9; 73/9
4	29/564.6; 29/749
5	29/759; 414/331.11
6	29/564.6; 29/566.2; 29/749; 29/755
7	29/33M; 29/753
8	29/33M; 29/755
9	156/468; 29/759; 53/591
10	29/417; 29/759; 83/158; 83/160; 83/365; 83/370

	Current XRef
11	29/33F; 29/759
12	29/33M; 29/564.4; 29/857; 81/9.51
13	29/33M; 29/749; 29/759
14	29/755
15	156/296; 156/433; 156/441; 29/56.6; 29/755; 29/861
16	140/147; 29/857
17	29/857
18	
19	226/146; 226/167; 29/33M; 29/564.1
20	29/748
21	29/33K; 29/779
22	29/755